

What is claimed is:

1. A mold rollover apparatus comprising:

a wheel member defining an axis and selectively rotatable about said axis; and
at least one carrier member carried by said wheel member and adapted to carry

5 at least one mold member having a cast part disposed therein, said at least one carrier member being selectively rotatable at least from a first position, wherein the cast part is generally retained in the at least one mold member, to a second position, wherein the cast part is generally free to fall or drop from the at least one mold member;

wherein said at least one carrier member is selectively rotatable about said axis

10 at least from said first position to said second position independent of the rotation of
said wheel member about said axis.

2. The mold rollover apparatus according to Claim 1 wherein said first

position and said second position are approximately one hundred eighty degrees apart.

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3. The mold rollover apparatus according to Claim 1 wherein said first
position and said second position are less than one hundred eighty degrees apart.

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4. The mold rollover apparatus according to Claim 1 wherein said first

position and said second position are greater than one-hundred eighty degrees apart.

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5. The mold rollover apparatus according to Claim 1 wherein said at least
one carrier member is further selectively rotatable about said axis independent of the
rotation of said wheel member about said axis from said second position to a third
position, said third position being operative to re-orient said at least one carrier
member in the same position as in said first position.

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6. The mold rollover apparatus according to Claim 1 wherein said at least

one carrier member is selectively rotatable either during the rotation of said wheel

member or during the non-rotation of said wheel member.

7. The mold rollover apparatus according to Claim 1 wherein said at least one carrier member is selectively rotatable in either a clockwise direction or a counterclockwise direction.

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8. The mold rollover apparatus according to Claim 1 wherein said at least one carrier member is selectively rotatable in the same direction as the rotation of said wheel member.

10 9. The mold rollover apparatus according to Claim 1 wherein said at least one carrier member is selectively rotatable in the opposite direction as the rotation of said wheel member.

15 10. The mold rollover apparatus according to Claim 1 wherein said at least one carrier member is provided with a generally opened end and a generally closed end.

11. The mold rollover apparatus according to Claim 10 wherein said generally opened end of said carrier member is provided with a selectively operable clamp member moveable between a first position, wherein said clamp member is operative to retain the at least one mold member therein, and a second position, wherein said clamp member allows said at least one mold member to be inserted into or removed from said at least one carrier member.

12. A mold rollover apparatus comprising:

a wheel member defining an axis and selectively rotatable about said axis; and
at least one carrier member carried by said wheel member and adapted to carry

5 at least one mold member having a cast part disposed therein, said at least one carrier
member being selectively rotatable at least from a first position, wherein the cast part
is generally retained in the at least one mold member, to a second position, wherein the
cast part is generally free to fall or drop from the at least one mold member;

wherein said at least one carrier member is selectively rotatable in either a
clockwise direction or a non-counterclockwise direction about said axis at least from
10 said first position to said second position independent of the rotation of said wheel
member about said axis and either during the rotation of said wheel member or during
the non-rotation of said wheel member.

13. The mold rollover apparatus according to Claim 12 wherein said first

15 position and said second position are approximately one-hundred eighty degrees apart.

14. The mold rollover apparatus according to Claim 12 wherein said first
position and said second position are less than one hundred eighty degrees apart.

20 15. The mold rollover apparatus according to Claim 12 wherein said first
position and said second position are greater than one-hundred eighty degrees apart.

16. The mold rollover apparatus according to Claim 12 wherein said at least
one carrier member is further selectively rotatable about said axis independent of the
25 rotation of said wheel member about said axis from said second position to a third
position, said third position being operative to re-orient said at least one carrier
member in the same position as in said first position.

17. The mold rollover apparatus according to Claim 12 wherein said at least one carrier member is selectively rotatable in the same direction as the rotation of said wheel member.

5 18. The mold rollover apparatus according to Claim 12 wherein said at least one carrier member is selectively rotatable in the opposite direction as the rotation of said wheel member.

10 19. The mold rollover apparatus according to Claim 12 wherein said at least one carrier member is provided with a generally opened end and a generally closed end.

15 20. The mold rollover apparatus according to Claim 19 wherein said generally opened end of said carrier member is provided with a selectively operable clamp member moveable between a first position, wherein said clamp member is operative to retain the at least one mold member therein, and a second position, wherein said clamp member allows said at least one mold member to be inserted into or removed from said at least one carrier member.